ORIGINAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

SURVEY OF

THE WEST

AND NORTH BOUNDARIES,

AND

A PORTION OF

THE SUBDIVISIONAL LINES,

TOWNSHIP 38 NORTH, RANGE 19 EAST

Of the Gila and Salt River Meridian,
In the State of Arizona

EXECUTED BY

Leonard R. Sandoval, Cadastral Surveyor

Under Special Instructions dated and approved June 6, 1996, and Amended Special Instructions dated and approved August 13, 1997, which provided for the surveys included under Group Number 802 and assignment instructions dated June 6, 1996.

Survey Commenced July 9, 1997
Survey Completed March 31, 1998

INDEX DIAGRAM

TOWNSHIP 38 NORTH, RANGE 19 EAST,

GILA AND SALT RIVER MERIDIAN, ARIZONA

	15		14		13		12		11		9
8	6	56	5	47	4	41	3	34	2	25	1
	55		55		46		40		33		25
7	7	54	8	45	9	39	10	32	11	23	12
	53		53		45		38		31		22
6	18	52	17	44	16	37	15	30	14	21	13
	51		50		43		36		29		20
5	19	49	20	42	21	35	22	29	23	19	24
	49		48		41		35		28		18
5	30		29		28		27	27	26	17	25
									26		16
4	31		32		33		34		35		36

T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the survey of the west and north boundaries, and a portion of the subdivisional lines, Township 38 North, Range 19 East, Gila and Salt River Meridian, Arizona.

The east boundary was surveyed by Leonard R. Sandoval in 1997-98, concurrently under this same group.

The survey was executed in accordance with the specifications as set forth in the Manual of Instructions for the Survey of the Public Lands of the United States, 1973, the Special Instructions dated June 6, 1996, and Amended Special Instructions dated August 13, 1997, for Group No. 802, Arizona.

The directions of all lines were determined, and distances were measured, either with a Sokkia SET2BII total station instrument or by the technique of differential positioning using Trimble Navigation 4400 Series Global Positioning System receivers utilizing Real-Time Kinematic techniques.

The geographic position of the southeast corner of the township was determined by the technique of differential positioning using the Ashtech M-Series Geodetic Positioning System. First order National Geodetic Survey triangulation stations "COAL MINE 1951" and "KAYENTA 1951" were used as control stations. The geographic position is as follows:

Lat.: 36°39'02.011" N. Long.: 110°14'09.184" W. NAD83(1992)

The mean magnetic declination is 12 1/2° E.

Survey of the West Boundary,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Beginning at the cor. of Tps. 37 and 38 N., Rs. 18 and 19 E., monumented with a stainless steel post, 2 1/2 ins. diam., with brass cap, set, mkd., and witnessed as described in the field notes of the survey of the east boundary, T. 37 N., R. 18 E., executed concurrently under this same group.
	North, bet. secs. 31 and 36.
	Over rolling land atop Black Mesa.
6.33	Barbed wire fence, 5 strands, bears ENE and WSW.
6.60	Graded road, 15 ft. wide, bears ENE and WSW.
40.00	Point for the 1/4 sec. cor. of secs. 31 and 36.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R18E R19E 1/4 S36 | S31 1997
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
45.90	Graded road, 15 ft. wide, bears SSE and NNW.
53.20	Barbed wire fence, 5 strands, bears SSE and NNW.
80.00	Point for the cor. of secs. 25, 30, 31, and 36.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R18E | R19E S25 | S30 S36 | S31 1997
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
	Cor. is located 2.05 chs. S. of N. rim of Black Mesa, bears ESE and WNW.

Survey of the West Boundary,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Land, rolling. Soil, sandy and rocky clay, with sandstone outcrops. Timber, ponderosa pine, piñon and juniper; undergrowth, brush and native grasses.
	North, bet. secs. 25 and 30. Over rugged and broken land, descending abruptly down the N. slope of Black Mesa.
40.00	Point for the 1/4 sec. cor. of secs. 25 and 30. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R18E R19E 1/4 S25 | S30 1997 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Thence over rolling land.
80.00	Point for the cor. of secs. 19, 24, 25, and 30. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R18E | R19E S24 | S19 S25 | S30 1997 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Land, rugged, broken and rolling. Soil, sandy and rocky clay with sandstone outcrops. Timber, ponderosa pine, piñon and juniper; undergrowth, brush and native grasses.
	North, bet. secs. 19 and 24.

Survey of the West Boundary,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Over rolling and broken land.
40.00	Point for the 1/4 sec. cor. of secs. 19 and 24.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T38N R18E R19E 1/4 S24 | S19 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
	Thence descend over rugged and broken slope.
80.00	Point for the cor. of secs. 13, 18, 19, and 24.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T38N R18E | R19E S13 | S18 S24 | S19 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
	Land, rolling, rugged and broken. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, brush and native grasses.
	North, bet. secs. 13 and 18.
	Over rolling land.
13.55	S. right-of-way fence of U. S. Highway 160, barbed wire, 5 strands, parallels highway.
16.68	Center of U. S. Highway 160, asphalt pavement, 36 ft. wide, bears ENE and WSW.
18.24	N. right-of-way fence of U. S. Highway 160, barbed wire, 5 strands, parallels highway; thence over gently rolling land.

Survey of the West Boundary,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
18.90	Power line, bears ENE and WSW.
40.00	Point for the 1/4 sec. cor. of secs. 13 and 18.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T38N R18E R19E 1/4 S13 | S18 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
65.40	Power line, bears ENE and WSW.
75.40	Telephone line, bears ENE and WSW.
78.60	Underground gas pipeline, bears ENE and WSW.
80.00	Point for the cor. of secs. 7, 12, 13, and 18.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T38N R18E | R19E S12 | S 7 S13 | S18 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
	Land, gently rolling. Soil, sandy clay. No timber; brush and native grasses.
	North, bet. secs. 7 and 12.
	Over nearly level land.
7.80	Power line, bears NE and SW.
9.70	High voltage transmission line, bears NE and SW.

Survey of the West Boundary,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
29.50	S. high bank of Laguna Creek floodplain, bears E. and W.
35.00	N. bank of Laguna Creek floodplain, bears E. and W.
40.00	Point for the 1/4 sec. cor. of secs. 7 and 12. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R18E R19E 1/4 S12 | S 7 1998 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
80.00	Point for the cor. of secs. 1, 6, 7, and 12. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R18E | R19E S 1 | S 6 S12 | S 7 1998 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Land, nearly level. Soil, sandy clay. No timber; brush and native grasses.
	North, bet. secs. 1 and 6. Over gently rolling land.
37.90	Navajo Route 6485, a graded road, 20 ft. wide, bears ENE and WSW.
40.00	Point for the 1/4 sec. cor. of secs. 1 and 6. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

Survey of the West Boundary,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS

T38N
R18E R19E
1/4
S 1 | S 6
1998

Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.

Cor. is located 40 lks. E. of a trail road, bears NNE and SSW.

80.00 Point for the cor. of Tps. 38 and 39 N., Rs. 18 and 19 E.

Set a brass tablet, 3 1/4 ins. diam., 2 1/2 ins. stem, cemented in place, in a drill hole, in sandstone bedrock, with top mkd.

T39N
R18E | R19E
S36	S31
S 1	S 6
T38N
1998

from which

The mks. X BO, chiseled on sandstone bedrock, bear S. 33 1/2° E., 1.29 chs. dist.

Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case in the drill hole beneath the brass tablet.

Land, gently rolling.
Soil, sandy clay with sandstone outcrops.
No timber; brush and native grasses.

Survey of the North Boundary,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

From the cor. of Tps. 38 and 39 N., Rs. 19 and 20 E., monumented with a stainless steel post, 2 1/2 ins. diam., with brass cap, set, mkd., and witnessed as described in the field notes of the survey of the west boundary, T. 38 N., R. 20 E., executed concurrently under this same group.

Survey of the North Boundary,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Cor. is located 1.20 chs. N. of bed of Laguna Creek, 70 ft. wide, 5 ft. deep, flows ENE; 1.00 ch. S. of N. high bank of Laguna Creek floodplain, bears E. and W.; and 1.65 chs. E. of a power line, bears NNE and SSW.
	West, bet. secs. 1 and 36.
	Over broken and nearly level land in Laguna Creek floodplain.
8.46	Center of U. S. Highway 163, 26 ft. wide, asphalt pavement, atop a concrete bridge, bears NE and SW; thence continue up Laguna Creek floodplain.
40.00	Point for the 1/4 sec. cor. of secs. 1 and 36.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.
	T39N R19E S36 1/4 —— S 1 T38N 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
	Cor. is located 47 lks. E. of the left bank of Laguna Creek, 25 ft. wide, 10 ft. deep, flows SSE.
	From this cor. point, a brass tablet, 3 1/2 ins. diam., set flush in sandstone bedrock, cemented in place, bears N. 44°38′ E., 28.37 chs. dist., with top mkd. NAVAJO CONTROL SYSTEM KAY 1A.
	From this same cor. point, a brass tablet, 3 1/2 ins. diam., set flush in sandstone bedrock, cemented in place, bears S. 28°34′ E., 18.57 chs. dist., with top mkd. LIMBAUGH ENGINEERING & AERIAL SURVEYS INC. KAY 5.
	Thence over gently rolling land.
80.00	Point for the cor. of secs. 1, 2, 35, and 36.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

Survey of the North Boundary,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T39N R19E S35 | S36 S 2 | S 1 T38N 1998
	from which
	The mks. X BO, chiseled on sandstone bedrock, bear S. 45° W., 28 lks. dist.
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
	From this cor. point, a brass stem, 1/2 in. diam., set flush in sandstone bedrock, cemented in place, bears S. 56°27' E., 15.05 chs. dist., the remnant of Limbaugh Engineering KAY 4.
	Land, gently rolling. Soil, sandy clay with sandstone outcrops. No timber; scattered brush and native grasses.
	West, bet. secs. 2 and 35.
	Over rolling to broken land.
40.00	Point for the 1/4 sec. cor. of secs. 2 and 35.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in sandstone bedrock, with brass cap mkd.
	T39N R19E S35 1/4 S 2 T38N 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
80.00	Point for the cor. of secs. 2, 3, 34, and 35.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in sandstone bedrock, with brass cap mkd.

Survey of the North Boundary,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T39N R19E S34 | S35 S 3 | S 2 T38N 1998 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. From this cor. point, the remnant of third order U. S. Geological Survey triangulation station "KAY 1952", a hole in sandstone bedrock, 4 x 4 x 5 ins., bears N. 9°24' W., 45.245 chs. dist., referenced as described by the U. S. Geological Survey. Land, rolling to broken. Soil, sandy clay, sand and sandstone outcrops. Timber, scattered piñon and juniper; undergrowth, scattered brush and native grasses.
	West, bet. secs. 3 and 34. Over broken to rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 3 and 34. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T39N R19E S34 1/4 S 3 T38N 1998 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
80.00	Point for the cor. of secs. 3, 4, 33, and 34. Set a magnet in a 1 x 1 x 2 ins. white colored plastic case, 6 ins. below the surface of the ground.

Survey of the North Boundary,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	from which A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 26 ins. in the ground, for a reference monument, bears S. 45°00' E., 100.0 ft. dist., with brass cap mkd. T38N R19E S3 RM 100.0 FT TO COR 1998 and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 26 ins. in the ground, for a reference monument, bears S. 45°00' W., 500.0 ft. dist., with brass cap mkd. T38N R19E S4 RM 500.0 FT TO COR 1998 and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Cor. is located on SE edge of the bed of Laguna Creek, 50 ft. wide, 2 ft. deep, flows NNE. Land, broken to rolling. Soil, sandy clay, sand and sandstone outcrops. Timber, scattered piñon and juniper; undergrowth, scattered brush and native grasses.
	West, bet. secs. 4 and 33. Over rolling and broken land.
4.80	Laguna Creek, 100 ft. wide, 5 ft. deep, flows NNE.
10.00	NW high bank of Laguna Creek floodplain, bears NNE and SSW; thence leave Laguna Creek floodplain.
40.00	Point for the 1/4 sec. cor. of secs. 4 and 33. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T39N R19E S33 1/4 —— S 4 T38N 1998

Survey of the North Boundary,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	from which The mks. X BO, chiseled on the face of a sandstone cliff, bear S. 77 1/2° W., 96 lks. dist. Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Cor. is located on a sandy W. slope, near the head of a sandstone canyon, drains S.
63.60	Power line, bears NE and SW.
65.80	High voltage transmission line, bears NE and SW.
80.00	Point for the cor. of secs. 4, 5, 32, and 33. Set a brass tablet, 3 1/4 ins. diam., 2 1/2 ins. stem, cemented in place, in a drill hole, in sandstone bedrock, with top mkd. T39N R19E S32 | S33 S 5 | S 4 T38N 1998 from which The mks. X BO, chiseled on sandstone bedrock, bear S. 33 3/4° E., 24 lks. dist. Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case in the drill hole beneath the brass tablet. Land, rolling and broken. Soil, sandy and rocky clay, sand, and sandstone outcrops. Timber, scattered piñon and juniper; undergrowth, scattered brush and native grasses.
	West, bet. secs. 5 and 32. Over rolling and broken land.
40.00	Point for the 1/4 sec. cor. of secs. 5 and 32. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

Survey of the North Boundary,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T39N R19E S 32 1/4 —— S 5 T38N 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
69.20	Parrish Creek, 125 ft. wide, 20 ft. deep, flows S.
80.00	Point for the cor. of secs. 5, 6, 31, and 32.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T39N R19E S31 | S32 ——+—— S 6 | S 5 T38N 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
	Land, rolling and broken. Soil, sandy and rocky clay, sand, and sandstone outcrops. Timber, scattered piñon and juniper; undergrowth, scattered brush and native grasses.
	West, bet. secs. 6 and 31.
	Over rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 6 and 31.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in sandstone bedrock, with brass cap mkd.
	T39N R19E S31 1/4 —— S 6 T38N 1998

Survey of the North Boundary,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
78.89	The cor. of Tps. 38 and 39 N., Rs. 18 and 19 E., hereinbefore described. Land, rolling. Soil, sandy clay, sand, and sandstone outcrops. Timber, scattered piñon and juniper; undergrowth, scattered brush and native grasses.

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

	From the cor. of secs. 25, 30, 31, and 36, on the E. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., with brass cap, set, and mkd. as described in the field notes of the survey of the west boundary, T. 38 N., R. 20 E., executed concurrently under this same group. West, bet. secs. 25 and 36. Over rolling and broken land.
40.00	Point for the 1/4 sec. cor. of secs. 25 and 36. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E S25 1/4 —— S36 1998 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
80.00	Point for the cor. of secs. 25, 26, 35, and 36. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T38N R19E S26 | S25 S35 | S36 1998 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Land, rolling and broken. Soil, sandy and rocky clay. Timber, scattered piñon and juniper; undergrowth, scattered brush and native grasses.
	N. 0°01′ W., bet. secs. 25 and 26. Over rolling and broken land.
40.00	Point for the 1/4 sec. cor. of secs. 25 and 26. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E 1/4 S26 | S25 1998 from which A juniper, 9 ins. diam., bears S. 68 3/4° W., 59 1/2 lks. dist., mkd. 1/4 S26 BT. Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Cor. is located 30 lks. W. of a trail road, bears S. in curve to right, and 1.50 chs. S. of Burnt Trees Wash, 40 ft. wide, 10 ft. deep, drains NNE.
75.64	Woven wire fence on S. edge of a cultivated field, bears ENE and WSW; thence across a cultivated field.
80.00	Point for the cor. of secs. 23, 24, 25, and 26. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 18 ins. below the surface of the ground, with brass cap mkd.

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS

T38N R19E

S23	S24
S26	S25

1998

from which

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 26 ins. in the ground, for a reference monument, bears N. 80°00' E., 200.0 ft. dist., with brass cap mkd. T38N R19E S24 RM 200.0 FT TO COR 1998 and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Set a steel fence post nearby.

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 26 ins. in the ground, for a reference monument, bears N. 45°00' W., 125.0 ft. dist., with brass cap mkd. T38N R19E S23 RM 125.0 FT TO COR 1998 and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Set a steel fence post nearby.

Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post at the sec. cor.

Cor. is located in a cultivated field, 2.00 chs. W. of a woven wire fence on the E. edge of the field, bears SSE and NNW.

Land, rolling and broken.
Soil, sandy and rocky clay.
Timber, scattered piñon and juniper; undergrowth, scattered brush and native grasses.

From the cor. of secs. 19, 24, 25, and 30, on the E. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., with brass cap, set, and mkd. as described in the field notes of the survey of the west boundary, T. 38 N., R. 20 E., executed concurrently under this same group.

Cor. is located 1.95 chs. S. of Burnt Trees Wash, 30 ft. wide, 7 ft. deep, drains SE.

West, bet. secs. 24 and 25.

Over gently rolling land.

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
10.80	Burnt Trees Wash, 40 ft. wide, 8 ft. deep, drains NE.
40.00	Point for the 1/4 sec. cor. of secs. 24 and 25. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E S24 1/4 —— S25 1998 from which A steel cover, 7 ins. diam., set in a concrete collar, 2 ft. square, set flush with the surface of the ground, bears N. 19° W., 1.20 chs. dist., with top mkd. WATER. Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Cor. is located 1.40 chs. S. of a trail road, bears ENE and WSW.
43.55	Trail road, bears ENE and WSW.
80.00	The cor. of secs. 23, 24, 25, and 26. Land, gently rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	N. 0°01′ W., bet. secs. 23 and 24. Over nearly level land across a cultivated field.
5.67	Woven wire fence on N. edge of a cultivated field, bears ENE and WSW.
40.00	Point for the 1/4 sec. cor. of secs. 23 and 24. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E 1/4 S23 ¦ S24 1998

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
69.90	Trail road, bears E. and W.
80.00	Point for the cor. of secs. 13, 14, 23, and 24.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T38N R19E S14 | S13 S23 | S24 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
	Land, nearly level. Soil, sandy clay. No timber; scattered brush and native grasses.
	From the cor. of secs. 13, 18, 19, and 24, on the E. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., with brass cap, set, and mkd. as described in the field notes of the survey of the west boundary, T. 38 N., R. 20 E., executed concurrently under this same group.
	West, bet. secs. 13 and 24.
	Over nearly level land.
9.75	Navajo Route 59A, a graded road, 25 ft. wide, bears SSE and NNW.
40.00	Point for the 1/4 sec. cor. of secs. 13 and 24.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T38N R19E S13 1/4 —— S24 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	From this cor. point, a brass tablet, 3 1/2 ins. diam., set in a concrete collar, 8 ins. diam., firmly set, projecting 8 ins. above ground, bears N. 22°14' E., 37.055 chs. dist., with top mkd. LIMBAUGH ENGINEERING & AERIAL SURVEYS INC. KAY 35.
80.00	The cor. of secs. 13, 14, 23, and 24.
	Land, nearly level. Soil, sandy clay. No timber; scattered brush and native grasses.
	N. 0°01' W., bet. secs. 13 and 14.
	Over gently rolling land.
27.30	Power line, bears NNE and SSW.
30.70	Graded road, 25 ft. wide, bears NNE and SSW.
40.00	Point for the 1/4 sec. cor. of secs. 13 and 14.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E 1/4 S14 | S13 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
	Set a steel fence post nearby.
	From this cor. point, a brass tablet, 3 1/2 ins. diam., set in a concrete collar, 8 ins. diam., firmly set, projecting 7 ins. above ground, bears S. 72°54' W., 27.085 chs. dist., with top mkd. NAVAJO CONTROL SYSTEM ARIZ. L.A.S. KAY 33.
67.05	S. right-of-way fence of U. S. Highway 160, barbed wire, 5 strands, parallels highway.
70.08	Center of U. S. Highway 160, asphalt pavement, 50 ft. wide, bears ENE and WSW.
71.74	N. right-of-way fence of U. S. Highway 160, barbed wire, 5 strands, parallels highway.
80.00	Point for the cor. of secs. 11, 12, 13, and 14.

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E S11 | S12 S14 | S13 1998 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Set a steel fence post nearby. Land, gently rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	From the cor. of secs. 7, 12, 13, and 18, on the E. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., with brass cap, set, and mkd. as described in the field notes of the survey of the west boundary, T. 38 N., R. 20 E., executed concurrently under this same group. Cor. is located 2.30 chs. S. of S. right-of-way fence of U. S. Highway 160, barbed wire, 5 strands, bears ENE and WSW. West, bet. secs. 12 and 13. Over nearly level land.
12.07	S. right-of-way fence of U. S. Highway 160, barbed wire, 5 strands, parallels highway.
28.71	Center of U. S. Highway 160, asphalt pavement, 36 ft. wide, bears ENE and WSW.
36.58	N. right-of-way fence of U. S. Highway 160, woven wire and barbed wire, parallels highway.
40.00	Point for the 1/4 sec. cor. of secs. 12 and 13. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T38N R19E S12 1/4 —— S13 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
	Set a steel fence post nearby.
	Cor. is located at the SW edge of an abandoned airstrip, 66 lks. N. of N. right-of-way fence of U.S. Highway 160, woven wire and barbed wire, bears ENE and WSW.
	From this cor. point, a brass tablet, 3 1/2 ins. diam., set in a concrete collar, 8 ins. diam., firmly set, projecting 5 ins. above ground, bears N. 30°37′ E., 37.575 chs. dist., with top mkd. NAVAJO CONTROL SYSTEM ARIZ. L.A.S. KAY 23.
	From this same cor. point, a brass tablet, 3 1/2 ins. diam., set in a concrete collar, 8 ins. diam., firmly set, projecting 12 ins. above ground, bears S. 61°13′ E., 15.445 chs. dist., with top mkd. LIMBAUGH ENGINEERING & AERIAL SURVEYS INC. KAY 29.
41.43	Barbed wire fence, 5 strands, bears SSE and NNW.
52.73	Center of U. S. Highway 163, asphalt pavement, 69 ft. wide, bears SSE and NNW.
80.00	The cor. of secs. 11, 12, 13, and 14.
	Land, nearly level. Soil, sandy clay. No timber; scattered brush and native grasses.
	N. 0°01′ W., bet secs. 11 and 12.
	Over nearly level land.
40.00	Point for the 1/4 sec. cor. of secs. 11 and 12.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T38N R19E 1/4 S11 | S12 1998

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Set a steel fence post nearby.
53.32	Center of U.S. Highway 163, asphalt pavement, 69 ft. wide, bears SSE and NNW.
58.10	Center of entry street to housing area, asphalt pavement, 30 ft. wide, bears E. and W.
65.50	Underground gas pipeline, bears E. and W.
66.00	Power line, bears E. and W.
80.00	Point for the cor. of secs. 1, 2, 11, and 12. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E S 2 | S 1 S11 | S12 1998 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Set a steel fence post nearby. From this cor. point, a brass tablet, 3 1/2 ins. diam., set in a concrete collar, 8 ins. diam., firmly set, projecting 3 ins. above ground, bears S. 50°31' E., 15.25 chs. dist., with top mkd. LIMBAUGH ENGINEERING & AERIAL SURVEYS INC. KAY 16. From this same cor. point, a brass tablet, 3 1/2 ins. diam., set in a concrete collar, 8 ins. diam., firmly set, projecting 5 ins. above ground, bears S. 76°24' W., 27.225 chs. dist., with top mkd. LIMBAUGH ENGINEERING & AERIAL SURVEYS INC. KAY 15. Land, nearly level. Soil, sandy clay. No timber; scattered brush and native grasses.

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	From the cor. of secs. 1, 6, 7, and 12, on the E. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., with brass cap, set, mkd., and witnessed as described in the field notes of the survey of the west boundary, T. 38 N., R. 20 E., executed concurrently under this same group.
	Cor. is located 1.90 chs. N. and 1.70 chs. W. of a graded road, 20 ft. wide, bears NE and SW.
	West, bet. secs. 1 and 12.
	Over nearly level land.
40.00	Point for the 1/4 sec. cor. of secs. 1 and 12.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T38N R19E S 1 1/4 —— S12 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
	Cor. is located 1.15 chs. S. of a power line, bears E. and W.
80.00	The cor. of secs. 1, 2, 11, and 12.
	Land, nearly level. Soil, sandy clay. No timber; scattered brush and native grasses.
	N. 0°01' W., bet. secs. 1 and 2.
	Over rolling land.
17.42	Center of U.S. Highway 163, asphalt pavement, 69 ft. wide, bears ENE and WSW.
18.60	SE cor. of Kayenta Trading Post Tract, a rebar, 5/8 in. diam., set flush with the surface of the ground, bears West, 3.39 chs. dist.
25.85	Center of a street, asphalt pavement, 25 ft. wide, bears E. and W.

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
26.08	NW cor. of Kayenta Trading Post Tract, a rebar, 5/8 in. diam., set flush with the surface of the ground, bears West, 7.135 chs. dist.
26.26	S. fence of Bureau of Indian Affairs School compound, barbed wire, 5 strands, bears E. and W.
35.29	Center of main school compound street, asphalt pavement, 20 ft. wide, bears NNE and SSW.
40.00	Point for the 1/4 sec. cor. of secs. 1 and 2. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E 1/4 S 2 | S 1 1998 from which The westernmost cor. of SW wing of L-shaped concrete block warehouse, 140 x 30 ft., mkd. 52, bears S. 28° E., 1.83 chs. dist., long side bears NE. Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Set a steel fence post nearby. Cor. is located 2 lks. S. of S. edge of S. concrete curb of a street, asphalt pavement, 20 ft. wide, bears SE and NW.
80.00	The cor. of secs. 1, 2, 35, and 36, on the N. bdy. of the Tp., hereinbefore described. Land, gently rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	From the cor. of secs. 25, 26, 35, and 36. West, bet. secs. 26 and 35. Over broken and rugged land, ascending a rocky slope.
38.30	E. rim of a mesa, bears N. and S.; thence over rolling and broken land.

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
40.00	Point for the 1/4 sec. cor. of secs. 26 and 35. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E S26 1/4 —— S35 1998 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
80.00	Point for the cor. of secs. 26, 27, 34, and 35. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E S27 | S26 ——— | ——— S34 | S35 1998 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Land, broken, rugged and rolling. Soil, sandy and rocky clay with sandstone outcrops. Timber, piñon and juniper; undergrowth, brush and native grasses.
	N. 0°01' W., bet. secs. 26 and 27. Over rolling and broken land.
9.40	N. rim of a mesa, bears NNE and SSW; thence descend a rocky slope.
40.00	Point for the 1/4 sec. cor. of secs. 26 and 27. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E 1/4 S27 | S26 1998

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
58.58	NE cor. of a chainlink and barbed wire fence enclosure, 100 x 40 ft., surrounding water tanks, bears West, 1.74 chs. dist., long side bears WNW.
59.60	Power line, bears NNE and SSW.
80.00	Point for the cor. of secs. 22, 23, 26, and 27.
	Set a brass tablet, 3 1/4 ins. diam., 2 1/2 ins. stem, cemented in place, in a drill hole, in sandstone bedrock, with top mkd. T38N R19E S22 | S23 S27 | S26 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case in the drill hole beneath the brass tablet.
	Land, rolling, broken and rugged. Soil, sandy and rocky clay with sandstone outcrops. Timber, piñon and juniper; undergrowth, scattered brush and native grasses.
	From the cor. of secs. 23, 24, 25, and 26.
	West, bet. secs. 23 and 26.
	Over rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 23 and 26.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E S23 1/4 S26 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
67.05	Trail road, bears NNE and SSW.

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
67.90	Power line, bears NNE and SSW.
80.00	The cor. of secs. 22, 23, 26, and 27.
	Land, rolling. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, scattered brush and native grasses.
	N. 0°01' W., bet. secs. 22 and 23.
	Over gently rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 22 and 23.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T38N R19E 1/4 S22 | S23 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
80.00	Point for the cor. of secs. 14, 15, 22, and 23.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T38N R19E S15 | S14 S22 | S23 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
	Land, gently rolling. Soil, sandy clay. Timber, scattered piñon and juniper; undergrowth, scattered brush and native grasses.
	From the cor. of secs. 13, 14, 23, and 24.
	West, bet. secs. 14 and 23.

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Over gently rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 14 and 23.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T38N R19E S14 1/4 —— S23 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
80.00	The cor. of secs. 14, 15, 22, and 23.
	Land, gently rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	N. 0°01' W., bet. secs. 14 and 15.
	Over nearly level land.
33.10	Graded road, 20 ft. wide, bears NNE and SSW.
40.00	Point for the 1/4 sec. cor. of secs. 14 and 15.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T38N R19E 1/4 S15 | S14 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
51.79	S. right-of-way fence of U. S. Highway 160, barbed wire, 4 strands, parallels highway.
54.89	Center of U. S. Highway 160, asphalt pavement, 35 ft. wide, bears ENE and WSW.
56.39	N. right-of-way fence of U. S. Highway 160, woven wire and barbed wire, parallels highway.

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
80.00	Point for the cor. of secs. 10, 11, 14, and 15. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E S10 | S11 S15 | S14 1998 from which A cor. of a wood framed octagonal hogan, 29 ft. diam., bears N. 52 1/4° E., 2.58 chs. dist., sides bear E. and SW. Another cor. of same hogan, bears N. 53 1/2° E., 2.405 chs. dist., sides bear NE and S. Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. From this cor. point, a brass tablet, 3 1/2 ins. diam., set in a concrete collar, 8 ins. diam., firmly set, projecting 19 ins. above ground, bears S. 59°13' E., 15.40 chs. dist., with top mkd. LIMBAUGH ENGINEERING & AERIAL SURVEYS INC. KAY 26. Land, gently rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	From the cor. of secs. 11, 12, 13, and 14. West, bet. secs. 11 and 14. Over nearly level land.
40.00	Point for the 1/4 sec. cor. of secs. 11 and 14. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E S11 1/4 S14 1998

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. From this cor. point, a brass tablet, 3 1/2 ins. diam., set in a concrete collar, 8 ins. diam., firmly set, projecting 13 ins. above ground, bears S. 58°41' E., 15.85 chs. dist., with top mkd. LIMBAUGH ENGINEERING & AERIAL SURVEYS INC. KAY 27.
80.00	The cor. of secs. 10, 11, 14, and 15. Land, nearly level. Soil, sandy clay. No timber; scattered brush and native grasses.
	N. 0°01' W., bet. secs. 10 and 11. Over nearly level land.
39.41	Barbed wire fence, 4 strands, bears SE and NW.
40.00	Point for the 1/4 sec. cor. of secs. 10 and 11. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E 1/4 S10 | S11 1998 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
60.20	Underground gas pipeline, bears E. and W.
63.30	Navajo Route 6845, a graded road, 25 ft. wide, bears ENE and WSW.
78.95	Trail road, bears ENE and WSW.
80.00	Point for the cor. of secs. 2, 3, 10, and 11. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E S 3 | S 2 S10 | S11 1998

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Set a steel fence post nearby. From this cor. point, a brass tablet, 3 3/4 ins. diam., set in a concrete collar, 8 ins. diam., firmly set, projecting 4 ins. above ground, bears S. 79°55' E., 16.64 chs. dist., with top mkd. LIMBAUGH ENGINEERING & AERIAL SURVEYS INC. KAY 14. Land, nearly level. Soil, sandy clay. No timber; scattered brush and native grasses.
	From the cor. of secs. 1, 2, 11, and 12. West, bet. secs. 2 and 11. Over rolling land.
12.47	Center of U.S. Highway 163, asphalt pavement, 69 ft. wide, bears SSE in curve to left.
34.92	A brass tablet, 3 ins. diam., set in a concrete collar, 6 ins. diam., firmly set, projecting 8 ins. above ground, bears North, 1.87 chs. dist., with top mkd. ARIZONA HIGHWAY DEPT., witnessed by an angle iron to the W., mkd. P.T. 25+58.80 AH on W. face and mkd. P.T. 23+49.46 BK on E. face.
39.40	Power line, bears ENE and WSW.
40.00	Point for the 1/4 sec. cor. of secs. 2 and 11. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 12 ins. below the surface of the ground, with brass cap mkd. T38N R19E S 2 1/4 —— S11 1998

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	from which A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 26 ins. in the ground, for a reference monument, bears S. 60°00' E., 63.0 ft. dist., with brass cap mkd. T38N R19E 1/4 S11 RM 63.0 FT TO COR 1998 and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Set a steel fence post nearby. A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 26 ins. in the ground, for a reference monument, bears N. 60°00' W., 105.0 ft. dist., with brass cap mkd. T38N R19E 1/4 S2 RM 105.0 FT TO COR 1998 and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Set a steel fence post nearby. Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post at the 1/4 sec. cor. Cor. is located on the NW edge of graded driveway to the parking lot of the Church of Jesus Christ of the Latter Day Saints, bears NE and SW; 29 lks. S. of S. edge of Navajo Route 6845, a graded road, 35 ft. wide, bears ENE and WSW; and 1.20 chs. E. of center of same Navajo Route 6845.
80.00	The cor. of secs. 2, 3, 10, and 11. Land, rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	N. 0°01' W., bet. secs. 2 and 3. Over rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 2 and 3. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E 1/4 S 3 | S 2 1998 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
80.01	The cor. of secs. 2, 3, 34, and 35, on the N. bdy. of the Tp., hereinbefore described. Land, rolling and broken. Soil, sandy and rocky clay with sandstone outcrops. No timber; scattered brush and native grasses.
	From the cor. of secs. 22, 23, 26, and 27. West, bet. secs. 22 and 27. Over rolling land.
24.80	Trail road, bears NE and SW.
40.00	Point for the 1/4 sec. cor. of secs. 22 and 27. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E S22 1/4 —— S27 1998 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
80.00	Point for the cor. of secs. 21, 22, 27, and 28. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E S21 | S22 ——+—— S28 | S27 1998 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Land, rolling. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, brush and native grasses.
	N. 0°02′ W., bet. secs. 21 and 22.

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Over rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 21 and 22.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T38N R19E 1/4 S21 | S22 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
80.00	Point for the cor. of secs. 15, 16, 21, and 22.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T38N R19E S16 | S15 S21 | S22 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
	Land, rolling to gently rolling. Soil, sandy and rocky clay. Timber, scattered piñon and juniper; undergrowth, brush and native grasses.
	From the cor. of secs. 14, 15, 22, and 23.
	West, bet. secs. 15 and 22.
	Over nearly level land.
5.45	Graded road, 25 ft. wide, bears NNE and SSW.
40.00	Point for the 1/4 sec. cor. of secs. 15 and 22.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T38N R19E S15 1/4 —— S22 1998 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
80.00	The cor. of secs. 15, 16, 21, and 22. Land, nearly level. Soil, sandy clay. No timber; scattered brush and native grasses.
	N. 0°02' W., bet. secs. 15 and 16. Over gently rolling land.
36.51	S. right-of-way fence of U. S. Highway 160, woven wire and barbed wire, parallels highway.
39.58	Center of U. S. Highway 160, asphalt pavement, 35 ft. wide, bears ENE and WSW.
40.00	Point for the 1/4 sec. cor. of secs. 15 and 16. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 6 ins. below the surface of the ground, with brass cap mkd. T38N R19E 1/4 S16 | S15 1998 from which A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 26 ins. in the ground, for a reference monument, bears N. 45°00' E., 136.0 ft. dist., with brass cap mkd. T38N R19E 1/4 S15 RM 136.0 FT TO COR 1998 and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Set a steel fence post nearby.

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 26 ins. in the ground, for a reference monument, bears N. 45°00′ W., 95.0 ft. dist., with brass cap mkd. T38N R19E 1/4 S16 RM 95.0 FT TO COR 1998 and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Set a steel fence post nearby.
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post at the 1/4 sec. cor.
	Cor. is located 1.14 chs. S. of N. right-of-way fence of U. S. Highway 160, woven wire and barbed wire, parallels highway.
	From this cor. point, a brass tablet, 3 1/2 ins. diam., set in a concrete collar, 6 ins. diam., firmly set, projecting 2 ins. above ground, bears S. 88°42′ E., 16.33 chs. dist., with top mkd. BIA ROADS, witnessed by an angle iron to the W., mkd. 16.3 on a face.
71.21	Pump shaft of a windmill, bears East, 2.76 chs. dist., mkd. 8T541.
80.00	Point for the cor. of secs. 9, 10, 15, and 16.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T38N R19E S 9 | S10 S16 | S15 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
	Land, gently rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	From the cor. of secs. 10, 11, 14, and 15.
	West, bet. secs. 10 and 15.
	Over gently rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 10 and 15.

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E S10 1/4 —— S15 1998 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
80.00	The cor. of secs. 9, 10, 15, and 16. Land, gently rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	N. 0°02' W., bet. secs. 9 and 10. Over gently rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 9 and 10. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E 1/4 S 9 | S10 1998 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
44.68	SE cor. of a wood frame house, 25 x 15 ft., bears West, 40 lks. dist., long side bears N.
48.10	Power line, bears ENE and WSW.
58.10	Navajo Route 6845, a graded road, 25 ft. wide, bears ESE and WNW.
59.20	Underground gas pipeline, bears E. and W.
80.00	Point for the cor. of secs. 3, 4, 9, and 10. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T38N R19E S 4 | S 3 S 9 | S10 1998 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Land, gently rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	From the cor. of secs. 2, 3, 10, and 11. West, bet. secs. 3 and 10. Over gently rolling land.
26.00	E. edge of a small reservoir, bears NNE and SSW.
40.00	True point for the 1/4 sec. cor. of secs. 3 and 10, falls in a small reservoir, where it is impracticable to establish a monument. From this cor. point, the point selected for the witness cor. for the 1/4 sec. cor. of secs. 3 and 10, bears N. 10°00′ E., 2.00 chs. dist. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. WC T38N R19E S 3 1/4 S10 1998 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
51.60	W. edge of a small reservoir, bears SE and NW.
80.00	The cor. of secs. 3, 4, 9, and 10.

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Land, gently rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	N. 0°02' W., bet. secs. 3 and 4.
	Over gently rolling land.
21.40	Trail road on N. bank of an irrigation ditch, bears E. and W.
40.00	Point for the 1/4 sec. cor. of secs. 3 and 4.
	Set a brass tablet, 3 1/4 ins. diam., 2 1/2 ins. stem, cemented in place, in a drill hole, in sandstone bedrock, with top mkd. T38N R19E 1/4 S 4 | S 3 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case in the drill hole beneath the brass tablet.
	Thence ascend gradually over sandstone outcrops.
51.46	A rebar, 5/8 in. diam., firmly set, projecting 1 in. above sandstone bedrock, bears East, 2.58 chs. dist., serving as station "NN019" in the Navajo Control System; thence descend over N. rim of a mesa into Laguna Creek floodplain.
80.01	The cor. of secs. 3, 4, 33, and 34, on the N. bdy. of the Tp., hereinbefore described.
	Land, rolling, broken and level. Soil, sandy and rocky clay with sandstone outcrops. Timber, scattered piñon and juniper; undergrowth, scattered brush and native grasses.
	From the cor. of secs. 21, 22, 27, and 28.
	West, bet. secs. 21 and 28.
	Over rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 21 and 28.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T38N R19E S21 1/4 —— S28 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
80.00	Point for the cor. of secs. 20, 21, 28, and 29.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T38N R19E S20 | S21 ——|—— S29 | S28 1998
	from which
	A piñon, 8 ins. diam., bears S. 60° E., 26 lks. dist., mkd. T38N R19E S28 BT.
	The mks. X BO, chiseled on the face of a sandstone boulder, 6 x 5 x 3 ft., bear S. 81° W., 45 lks. dist.
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
	Land, rolling. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, brush and native grasses.
	N. 0°03' W., bet. secs. 20 and 21.
	Over rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 20 and 21.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T38N R19E 1/4 S20 | S21 1998

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
80.00	Point for the cor. of secs. 16, 17, 20, and 21.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T38N R19E S17 | S16 S20 | S21 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
	Land, rolling. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, brush and native grasses.
	From the cor. of secs. 15, 16, 21, and 22.
	West, bet. secs. 16 and 21.
	Over gently rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 16 and 21.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T38N R19E S16 1/4 S21 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
51.50	Trail road, bears N. and S.
80.00	The cor. of secs. 16, 17, 20, and 21.

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Land, gently rolling. Soil, sandy and rocky clay. Timber, scattered piñon and juniper; undergrowth, scattered brush and native grasses.
	N. 0°03' W., bet. secs. 16 and 17.
	Over gently rolling land.
25.87	S. right-of-way fence of U. S. Highway 160, barbed wire, 5 strands, parallels highway.
28.86	Center of U. S. Highway 160, asphalt pavement, 35 ft. wide, bears E. and W.
30.37	N. right-of-way fence of U. S. Highway 160, barbed wire, 5 strands, parallels highway.
40.00	Point for the 1/4 sec. cor. of secs. 16 and 17.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E 1/4 S17 | S16 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
	Cor. is located 2.05 chs. E. of a trail road, bears SSE and NNW.
80.00	Point for the cor. of secs. 8, 9, 16, and 17.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., flush with the surface of the ground, with brass cap mkd. T38N R19E S 8 | S 9 S17 | S16 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
	Cor. is located on the W. edge of a trail road, bears N. and S.; 2.90 chs. S. of a power line, bears E. and W.

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Land, gently rolling. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, scattered brush and native grasses.
	From the cor. of secs. 9, 10, 15, and 16.
	West, bet. secs. 9 and 16.
	Over gently rolling land.
36.85	Navajo Route 6485, a graded road, 25 ft. wide, bears SE and NW.
40.00	Point for the 1/4 sec. cor. of secs. 9 and 16.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E S 9 1/4 S16 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
	Cor. is located 2.90 chs. S. of Navajo Route 6485, a graded road, 25 ft. wide, bears SE and NW.
66.70	Power line, bears ESE and WNW.
80.00	The cor. of secs. 8, 9, 16, and 17.
	Land, gently rolling. Soil, sandy and rocky clay. No timber; scattered brush and native grasses.
	N. 0°03' W., bet. secs. 8 and 9.
	Over gently rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 8 and 9.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T38N R19E 1/4 S 8 | S 9 1998 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. From this cor. point, first order National Geodetic Survey vertical control station, "U 48 1934", a standard U. S. Coast and Geodetic Survey benchmark brass tablet, 3 1/2 ins. diam., set in a concrete post, 9 ins. square, firmly set, projecting 12 ins. above ground, bears N. 9°01′ E., 11.28 chs. dist., with top mkd. U48 1934.
53.10	Underground gas pipeline, bears ENE and WSW.
80.00	Point for the cor. of secs. 4, 5, 8, and 9. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E S 5 | S 4 S 8 | S 9 1998 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Cor. is located 65 lks. W. and 2.60 chs. S. of Navajo Route 6485, a graded road, 25 ft. wide, bears SSE and NNW. Land, gently rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	From the cor. of secs. 3, 4, 9, and 10. West, bet. secs. 4 and 9. Over nearly level land.
40.00	Point for the 1/4 sec. cor. of secs. 4 and 9. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T38N R19E S 4 1/4 —— S 9 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
64.70	Navajo Route 6845, a graded road, 25 ft. wide, bears ESE and WNW.
80.00	The cor. of secs. 4, 5, 8, and 9.
	Land, nearly level. Soil, sandy clay. No timber; scattered brush and native grasses.
	N. 0°03' W., bet. secs. 4 and 5.
	Over rolling and broken land.
6.80	Navajo Route 6845, 25 ft. wide, bears SE in curve to left.
10.60	Irrigation ditch, 30 ft. wide, 6 ft. deep, drains ESE.
15.90	S. high bank of Laguna Creek floodplain, bears ENE and WSW.
20.50	N. high bank of Laguna Creek floodplain, bears E. and W.
36.10	Base of sandstone ridge, bears E. and W.; thence ascend over ridge.
40.00	Point for the 1/4 sec. cor. of secs. 4 and 5.
	Set a brass tablet, 3 1/4 ins. diam., 2 1/2 ins. stem, cemented in place, in a drill hole, in sandstone bedrock, with top mkd.
	T38N R19E 1/4 S 5 | S 4 1998
	from which
	The mks. X BO, chiseled on the face of a sandstone ledge, bear S. 82 1/2° W., 18 lks. dist.
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case in the drill hole beneath the brass tablet.

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
66.90	Power line, bears NE and SW.
68.60	High voltage transmission line, bears NE and SW.
80.01	The cor. of secs. 4, 5, 32, and 33, on the N. bdy. of the Tp., hereinbefore described. Land, rolling and broken. Soil, sandy and rocky clay with sandstone outcrops. Timber, scattered piñon and juniper; undergrowth, brush and native grasses.
	From the cor. of secs. 20, 21, 28, and 29. West, bet. secs. 20 and 29. Over rolling and broken land.
40.00	Point for the 1/4 sec. cor. of secs. 20 and 29. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E S20 1/4 —— S29 1998 from which The mks. X BO, chiseled on the face of a sandstone boulder, 25 x 14 x 25 ft., bear S. 4 1/4° E., 59 lks. dist. Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
80.00	Point for the cor. of secs. 19, 20, 29, and 30. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E S19 | S20 ——|—— S30 | S29 1998

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Land, rolling and broken. Soil, sandy and rocky clay with sandstone outcrops. Timber, piñon and juniper; undergrowth, brush and native grasses.
	West, bet. secs. 19 and 30. Over rolling and broken land.
40.00	Point for the 1/4 sec. cor. of secs. 19 and 30. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E S19 1/4 —— S30 1998 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
79.27	The cor. of secs. 19, 24, 25, and 30, on the W. bdy. of the Tp., hereinbefore described. Land, rolling and broken. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, brush and native grasses.
	From the cor. of secs. 19, 20, 29, and 30. N. 0°03′ W., bet. secs. 19 and 20. Over rolling and broken land, on descent of rocky slope.
40.00	Point for the 1/4 sec. cor. of secs. 19 and 20. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E 1/4 S19 | S20 1998

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
80.00	Point for the cor. of secs. 17, 18, 19, and 20.
	Set a magnet enclosed in a 1 x 1 x 2 ins. white plastic case, 24 ins. below the surface of the ground.
	from which
	A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 26 ins. in the ground, for a reference monument, bears S. 50°00' E., 50.0 ft. dist., with brass cap mkd. T38N R19E S20 RM 50.0 FT TO COR 1998 and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
	A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 26 ins. in the ground, for a reference monument, bears N. 50°00' W., 50.0 ft. dist., with brass cap mkd. T38N R19E S18 RM 50.0 FT TO COR 1998 and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
	Cor. is located in a wash, 15 ft. wide, 3 ft. deep, drains N.
	Land, rolling and broken. Soil, sandy and rocky clay with sandstone outcrops. Timber, piñon and juniper; undergrowth, brush and native grasses.
	From the cor. of secs. 16, 17, 20, and 21.
	West, bet. secs. 17 and 20.
	Over rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 17 and 20.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T38N R19E S17 1/4 —— S20 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
80.00	The cor. of secs. 17, 18, 19, and 20. Land, rolling. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, brush and native grasses.
	West, bet. secs. 18 and 19. Over rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 18 and 19. Set a brass tablet, 3 1/4 ins. diam., 2 1/2 ins. stem, cemented in place, in a drill hole, in sandstone bedrock, 13 ins. below the surface of ground, with top mkd. T38N R19E S18 1/4 —— S19 1998 from which A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 26 ins. in the ground, for a reference monument, bears North, 50.0 ft. dist., with brass cap mkd. T38N R19E 1/4 S18 RM 50.0 FT TO COR 1998 and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 26 ins. in the ground, for a reference monument, bears South, 80.0 ft. dist., with brass cap mkd. T38N R19E 1/4 S19 RM 80.0 FT TO COR 1998 and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case in the drill hole beneath the brass tablet at the 1/4 sec. cor. Cor. is located in a bladed road, 20 ft. wide, bears NNE and SSW.
79.18	The cor. of secs. 13, 18, 19, and 24, on the W. bdy. of the Tp., hereinbefore described.

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Land, rolling. Soil, sandy and rocky clay. Timber, piñon and juniper; undergrowth, brush and native grasses.
	From the cor. of secs. 17, 18, 19, and 20.
	N. 0°03' W., bet. secs. 17 and 18.
	Over rolling land.
22.98	S. right-of-way fence of U. S. Highway 160, barbed wire, 5 strands, parallels highway.
26.00	Center of U. S. Highway 160, asphalt pavement, 35 ft. wide, bears E. and W.
27.54	N. right-of-way fence of U. S. Highway 160, barbed wire, 5 strands, parallels highway.
40.00	Point for the 1/4 sec. cor. of secs. 17 and 18.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E 1/4 S18 | S17 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
80.00	Point for the cor. of secs. 7, 8, 17, and 18.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E S 7 | S 8 S18 | S17 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
	From this cor. point, a brass tablet, 3 ins. diam., set in sandstone bedrock, cemented in place, bears S. 51°03' E., 35.75 chs. dist., with top mkd. U. S. INDIAN HEALTH SERVICE K16.

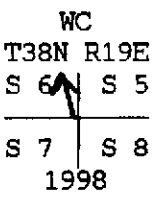
Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Land, rolling. Soil, sandy and rocky clay. Timber, scattered piñon and juniper; undergrowth, brush and native grasses.
	From the cor. of secs. 8, 9, 16, and 17.
	West, bet. secs. 8 and 17.
	Over rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 8 and 17.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E S 8 1/4 —— S17 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
80.00	The cor. of secs. 7, 8, 17, and 18.
	Land, rolling. Soil, sandy and rocky clay. Timber, scattered piñon and juniper; undergrowth, brush and native grasses.
	West, bet. secs. 7 and 18.
	Over gently rolling land.
23.40	Power line, bears ENE and WSW.
40.00	Point for the 1/4 sec. cor. of secs. 7 and 18.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E S 7 1/4 —— S18 1998

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
75.00	Underground gas pipeline, bears ENE and WSW.
79.09	The cor. of secs. 7, 12, 13, and 18, on the W. bdy. of the Tp., hereinbefore described.
	Land, gently rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	From the cor. of secs. 7, 8, 17, and 18.
	N. 0°03' W., bet. secs. 7 and 8.
	Over gently rolling land.
6.20	Power line, bears ENE and WSW.
25.70	Underground gas pipeline, bears ENE and WSW.
40.00	Point for the 1/4 sec. cor. of secs. 7 and 8.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E 1/4 S 7 | S 8 1998
	Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
74.50	S. high bank of Laguna Creek floodplain, bears E. and W.
80.00	True point for the cor. of secs. 5, 6, 7, and 8, falls in the bed of Laguna Creek, 50 ft. wide, 5 ft. deep, flows NE; where it is impracticable to construct a permanent monument.
	From this cor. point, the point selected for the witness cor. to the cor. of secs. 5, 6, 7, and 8, bears S. 30°05' E., 4.00 chs. dist.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Land, gently rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	From the cor. of secs. 4, 5, 8, and 9. West, bet. secs. 5 and 8. Over gently rolling land.
40.00	Point for the 1/4 sec. cor. of secs. 5 and 8. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E S 5 1/4 S 8 1998 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
73.70	SE high bank of Laguna Creek floodplain, bears N. and S.
80.00	True point for the cor. of secs. 5, 6, 7, and 8. Land, gently rolling. Soil, sandy clay. No timber; scattered brush and native grasses.
	West, bet. secs. 6 and 7. Over nearly level land in Laguna Creek floodplain.
6.20	Power line, bears NE and SW.

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
8.00	High voltage transmission line, bears NE and SW.
40.00	Point for the 1/4 sec. cor. of secs. 6 and 7. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E S 6 1/4 —— S 7 1998 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post. Set a steel fence post nearby. Cor. is located near base of the N. high bank of Laguna Creek floodplain, bears ENE and WSW.
52.30	NW high bank of Laguna Creek floodplain, bears ENE and WSW; thence over gently rolling land leaving floodplain.
79.00	The cor. of secs. 1, 6, 7, and 12, on the W. bdy. of the Tp., hereinbefore described. Land, nearly level. Soil, sandy clay. Timber, scattered cottonwood and salt cedar; undergrowth, brush and native grasses.
	From the true point for the cor. of secs. 5, 6, 7, and 8. N. 0°04' W., bet. secs. 5 and 6. Over nearly level land in Laguna Creek floodplain.
5.10	N. high bank of Laguna Creek floodplain, bears E. and W.; thence over gently rolling land.
6.10	Power line, bears NE and SW.
7.70	High voltage transmission line, bears NE and SW.
40.00	Point for the 1/4 sec. cor. of secs. 5 and 6.

Survey of a Portion of the Subdivisional Lines,
T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd. T38N R19E 1/4 S 6 | S 5 1998 Deposit a magnet in a 1 x 1 x 2 ins. white colored plastic case beneath the stainless steel post.
49.70	Navajo Route 6485, a graded road, 25 ft. wide, bears E. and W.
80.01	The cor. of secs. 5, 6, 31, and 32, on the N. bdy. of the Tp., hereinbefore described. Land, nearly level to gently rolling. Soil, sandy clay. Timber, scattered cottonwood, piñon, and juniper; undergrowth, brush and native grasses.

GENERAL DESCRIPTION

The area surveyed is within the Navajo Indian Reservation, with the community of Kayenta, Arizona mostly situated in sections 1, 2, 11, and 12. The terrain varies from rolling and broken in the southern and northern portions, to gently rolling in the center. The drainage is easterly, with Laguna Creek being the main drainage, entering the township in section 7, exiting in section 4, then reentering and exiting in section 1. The elevation varies from 5,500 to 8,000 feet above sea level. The soil is mostly sandy clay with some rocky areas and sandstone outcrops. The timber is primarily piñon and juniper in the southern and northern portions, with scattered brush and native grasses throughout.

The principal access is provided by U. S. Highway 160, which enters the township in section 12 and exits in section 18; and U. S. Highway 163 which starts in section 13 and exits in section 1. Navajo Routes 6485 and 6845, graded roads, provide access to the center of the township. There are numerous trail roads throughout. Much of the area is used for grazing livestock. There is no mining activity in the township.

The mean magnetic declination is 12 1/2° E, as derived from the United States Geological Survey computer program GEOMAGIX utilizing the Regional Magnetic Field Model for Epoch 1995 for the dates of survey.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Jones Curtiss	Cadastral Surveyor
William F. Olver	Cadastral Surveyor
Daniel Bryan	Engineering Technician
Wilfred Chee	Engineering Technician
Edward Clarke	Engineering Technician
Reuben Mason	Engineering Technician
Barney Woodie	Engineering Technician

CERTIFICATE OF SURVEY

I, Leonard R. Sandoval, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 6th day of June, 1996, and Amended Special Instructions bearing date of the 13th day of August, 1997, I have surveyed the west and north boundaries, and a portion of the subdivisional lines, Township 38 North, Range 19 East, of the Gila and Salt River Meridian, in the state of Arizona, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said special instructions, amended special instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, 1973, and in specific manner described in the foregoing field notes.

2-17-99 (Date)

Leonard R. Sandoval (Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Arizona State Office
Phoenix, Arizona

The foregoing field notes of the survey of the west and north boundaries, and a portion of the subdivisional lines, Township 38 North, Range 19 East, Gila and Salt River Meridian, Arizona, executed by Leonard R. Sandoval, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

April 8, 1999 (Date)

Kenny D Kavnikar (Chief Cadastral Surveyor of Arizona)

~~CERTIFICATE OF TRANSCRIPT~~

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 38 N., R. 19 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.

~~(Date)~~ ~~(Chief Cadastral Surveyor of Arizona)~~